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| **Vocabulary** | | |
| diaphragm | MRGREEN |  |
| microscope | excretion | movement |
| eyepiece | cells | Revolving nosepiece |
| Exchange of gases | arm | Fine adjustment knob |
| Objective lenses | characteristics | nutrition |
| tube | Reproduction | life |
| Response | Coarse adjustment knob | Growth |
| stage | Light source | Condenser lens |

Key Ideas

1. What are the characteristics of living things?
2. Name the parts of a compound light microscope?
3. What is the function/job of each part of a compound light microscope?

Review Questions – Answer all work on your own loose-leaf paper.

1. Is a Maple tree a living thing? Explain using the 8 characteristics of living things. Be specific.

Yes. Moves, reproduces, grows, excretes, exchanges gases, needs nutrition, and is made of cells.

1. Is a water fall a living thing? Explain using the 8 characteristics of living things. Be specific.

No. Does not reproduce, excrete, need nutrition, nor made of cells.

1. List the 8 characteristics of living things.

Moves, reproduces, grows, excretes, exchanges gases, needs nutrition, and is made of cells.

1. How should you hold a compound light microscope?

One hand on arm. One hand on base.

1. What is the function of a coarse adjustment knob?

Move stage

1. What is the function of a fine adjustment knob?

Move stage

1. What is the function of an eyepiece?

Magnify

1. What is the function of an objective lens?

Magnify

1. Label the diagram on the back.

See diagram